Tank Deconstruction Objective

All of the tanks have been cleaned as well as possible. However, most of the tanks have been damaged severely which has made it very difficult to clean and remove the remaining materials from the tanks. Until all of the material is removed, the potential of air emissions exist, especially from the benzene containing tanks: 80-15, 80-14, 80-10, and 80-7.

This plan is meant to outline the demolition plan for those tanks so the remaining benzene containing material can be removed. Due to the layout of the tank farm, 80-13 will also be demolished in order to access tanks 80-10 and 80-7.

Start Date:

Tank deconstruction is scheduled to begin on Friday, May 3rd.

Preparation:

Prior to beginning the deconstruction, a ramp will be built over the east wall of the tank farm to allow for proper access into the tank farm area. The ramp will be designed to allow heavy equipment and personnel to travel and enter the tank farm.

Sequence:

The sequence of deconstruction will be: 80-14, 80-15, 80-13, 80-10, and finally 80-7.

Protection of Tank 80-8:

Tank 80-8 is in the middle of the tank farm so it will be protected from this work by distance. In addition, there are protective barricades and fencing around the pump and manifold area of tank 80-8 to ensure the area is protected.

Schedule:

Tank deconstruction will occur on days only. However, tank cleaning once deconstruction takes place will most likely take place on days and nights.

Notification:

All agencies will be notified by Incident Command at least 24 hours before each tank is deconstructed.

Safety and Air Emissions:

Safety will be a major focus during this operation. Prior to the deconstruction of each tank, fire-fighting equipment will be staged on the 4 quadrants of each tank.

In addition, foam will be applied to each tank prior to the deconstruction and during the deconstruction process to protect against and minimize the potential for flash fires.

Foaming will also be applied to minimize air emissions during this operation as needed.

Air Monitoring personnel and equipment will be used on each quadrant of the tank farm and in close proximity to each tank being deconstructed the entire time tank deconstruction occurs. Additional air monitoring resources will be used both in the Industrial area and the Community.

Deconstruction Process:

The actual deconstruction process will vary from tank to tank depending on the accessibility and extent each tank is damaged. The primary method will be the use of hydraulic shears; however, water cutting may also be used.

As the tanks are deconstructed, the metal will be removed from the tank area into a decontamination area for cleaning, then to a waste storage device. The metal will be disposed by approved methods.

This plan does not exempt the regulated entity from complying with all state and federal regulation.

Once the metal material is removed sufficiently, cleaning crews will remove remaining material from the tank including any liquids or solids. This material will be removed using vacuum trucks, vacuum boxes, water spray, etc. The material will be either stored in the same tanks being used to collect material from the tank farm or stored in the appropriate containers prior to disposal per approved methods.

Once the remaining material has been removed, all of the metal and remaining tank will be removed down to the base.

This process will be repeated for each tank until tanks 80-14, 80-15, 80-13, 80-10, and 80-7 are deconstructed and cleaned.